

Figure 1

(Prior Art)

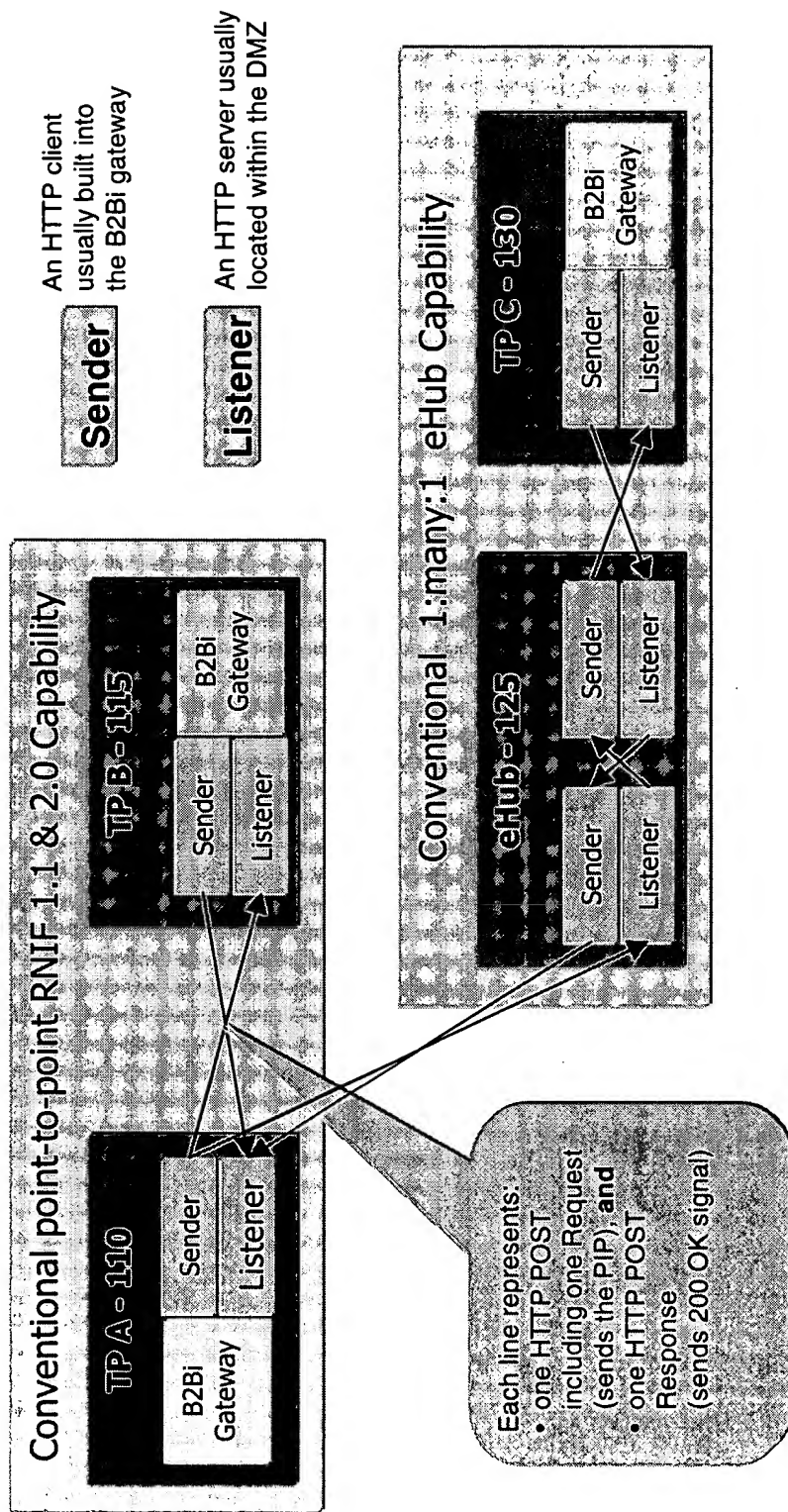


Figure 2

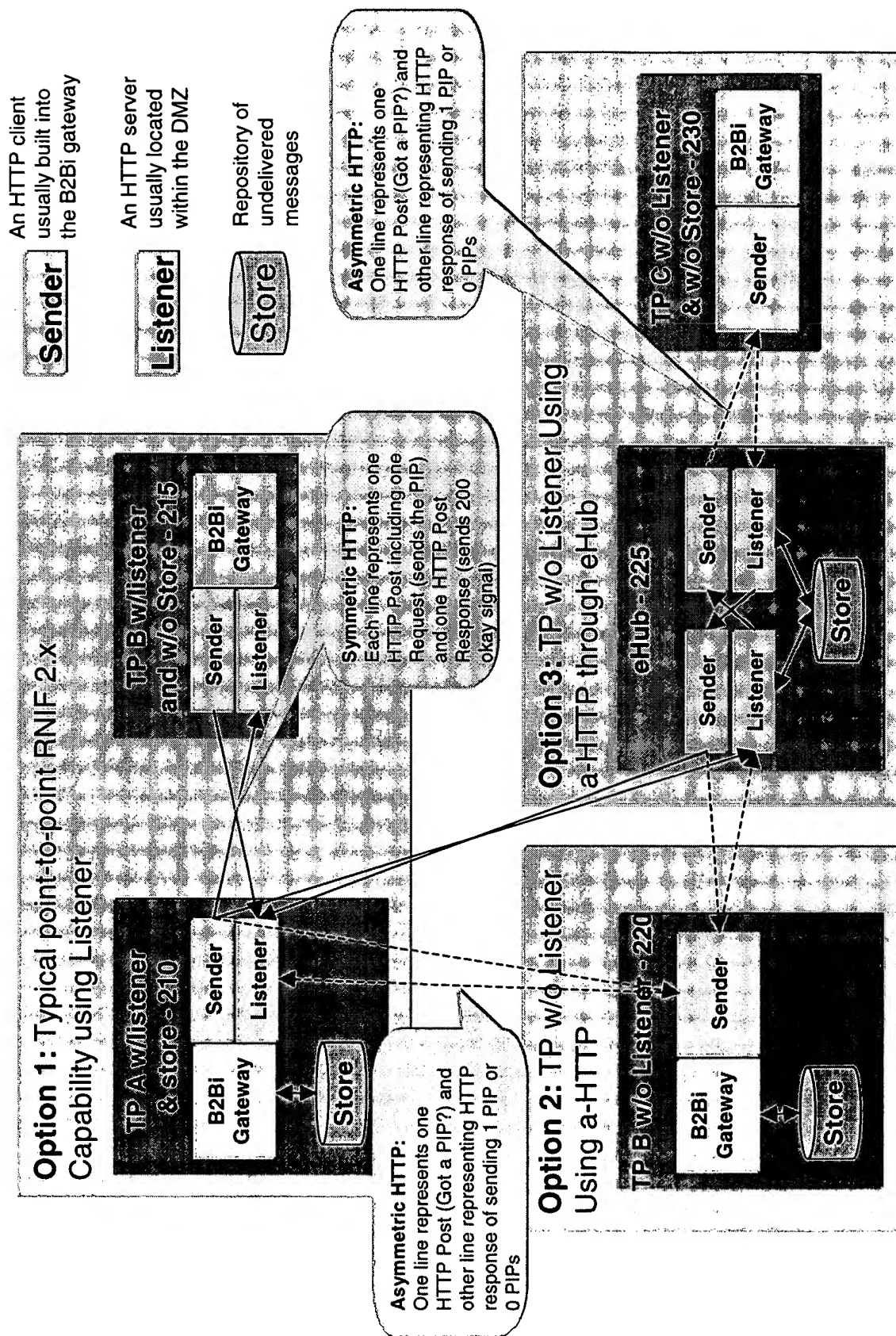
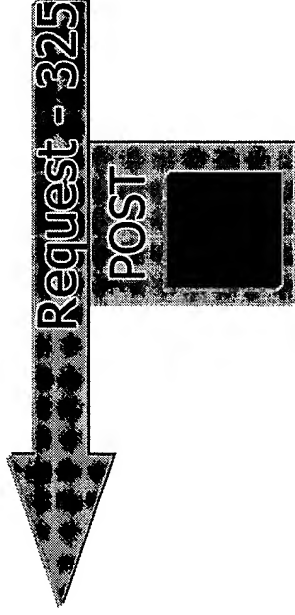
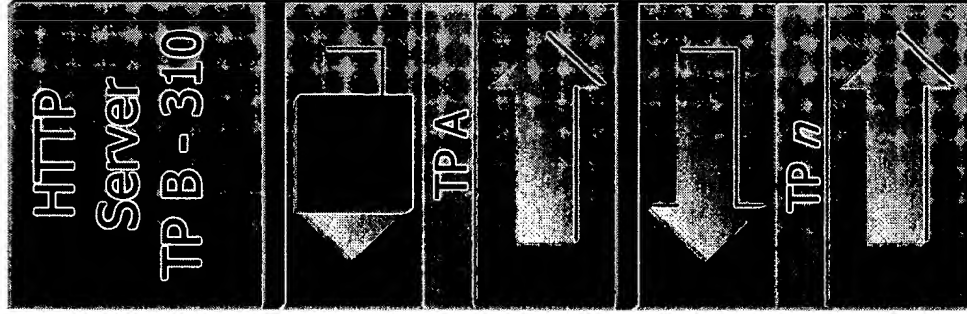


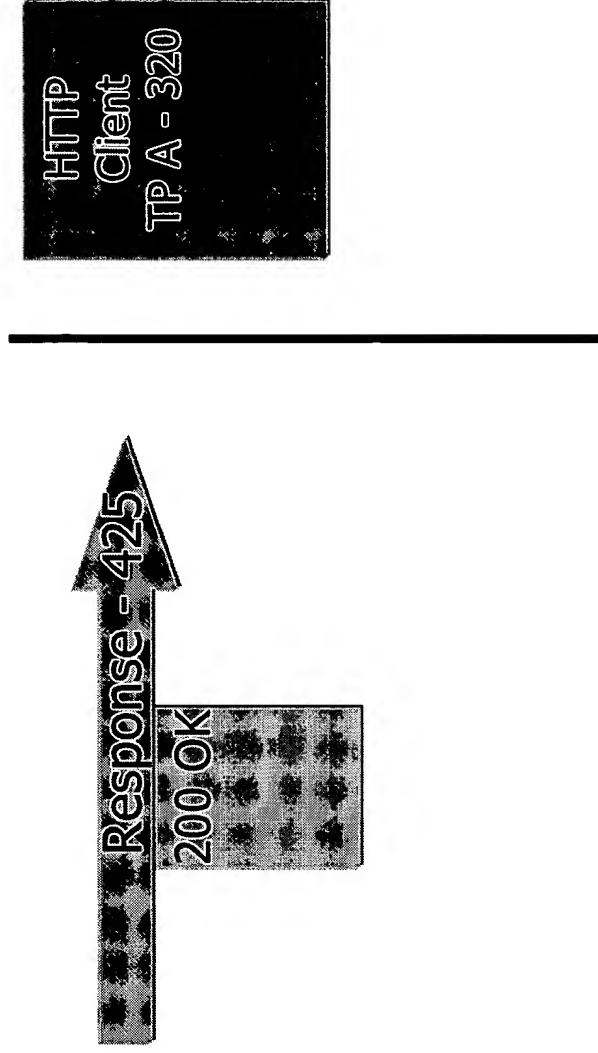
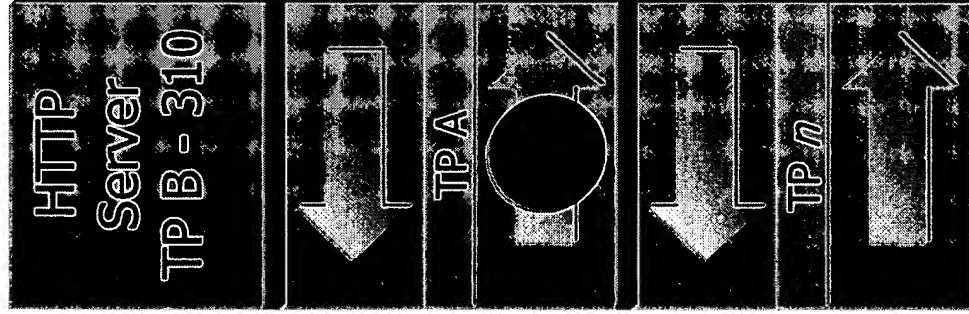
Figure 3: Client sends PIP Business Message Request as a POST to Server



Client sends PIP Business Message Request as a POST to Server

Figure 3

TP A - 320
TP B - 310
TP C - 300
TP D - 290
TP E - 280
TP F - 270
TP G - 260
TP H - 250
TP I - 240
TP J - 230
TP K - 220
TP L - 210
TP M - 200
TP N - 190
TP O - 180
TP P - 170
TP Q - 160
TP R - 150
TP S - 140
TP T - 130
TP U - 120
TP V - 110
TP W - 100
TP X - 90
TP Y - 80
TP Z - 70
TP AA - 60
TP AB - 50
TP AC - 40
TP AD - 30
TP AE - 20
TP AF - 10
TP AG - 0

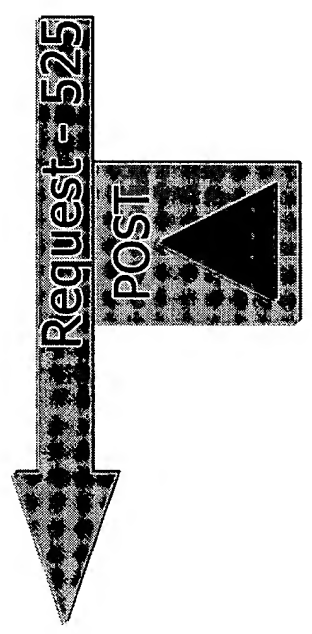
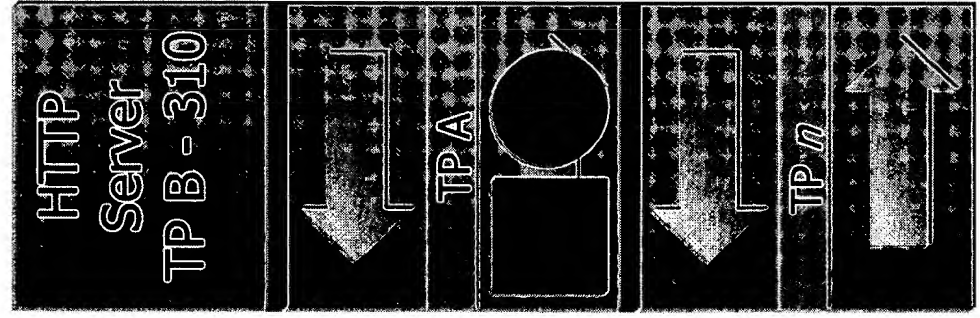


200 OK is sent from the Server in response to Client POST indicating that the file has been received successfully

Server has asynchronously processed the data and has queued a Receipt Acknowledgement

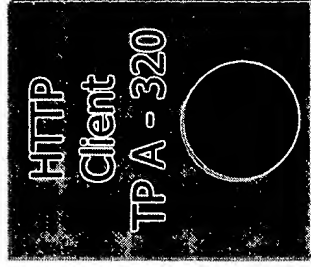
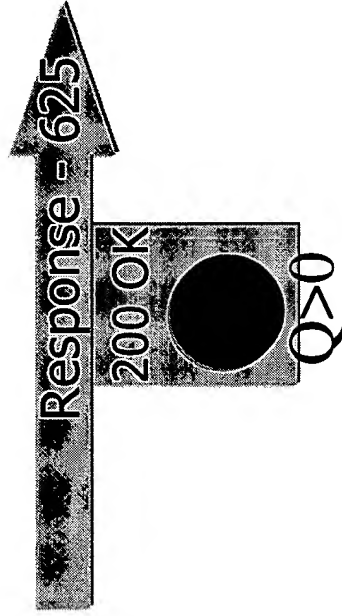
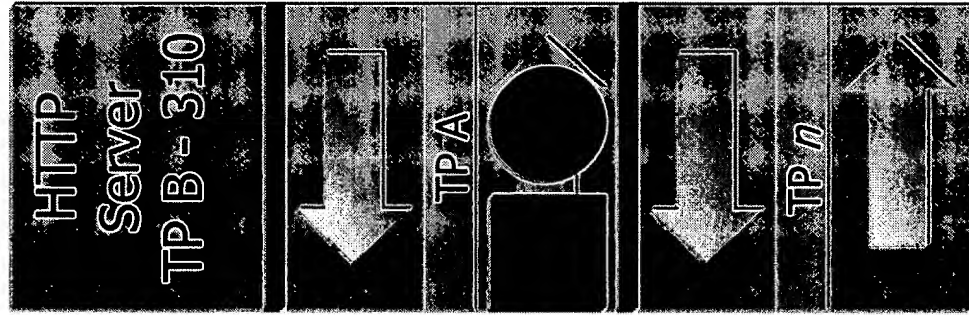
Figure 4

Figure 5: HTTP Client and Server interaction diagram



With configurable frequency the Client makes a request (polling) to the Server using a POST. Trading-Partner-B has queued a business message 530 for Trading-Partner-A

Figure 5

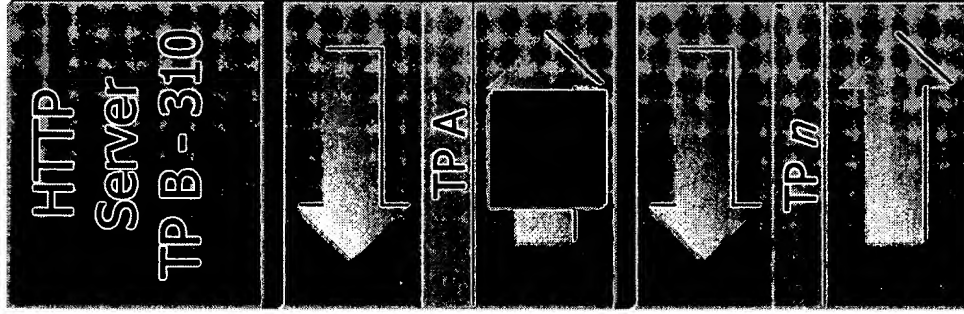


The Server sends the Receipt Acknowledgement within the HTTP response

Additionally, the Server sends some information that tells the Client that the server queue is not empty

Figure 6

TP A - 320

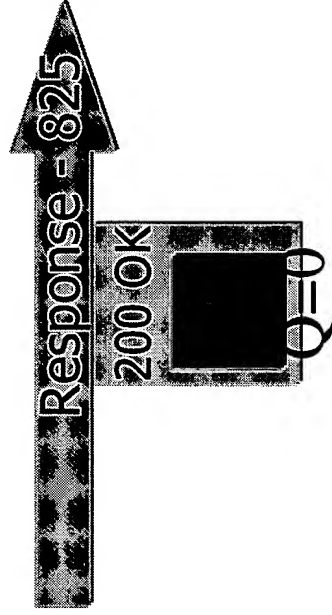
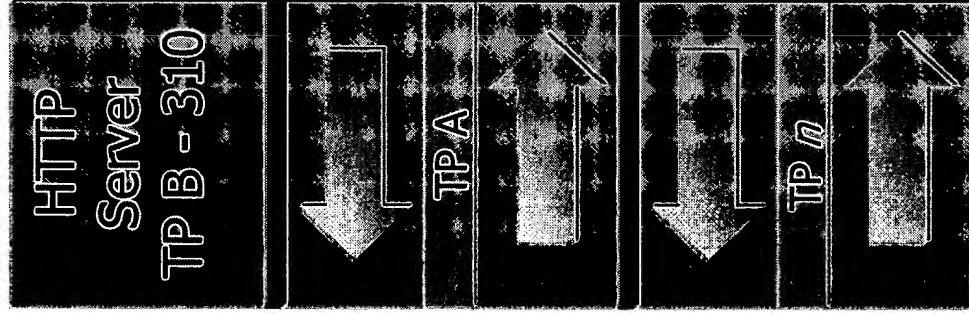


Request - 725

POST

The Client 320, knowing that the server queue is not empty, polls the server again with a POST to retrieve the next item in the server queue

Figure 7



The business message is sent in the response to the Client

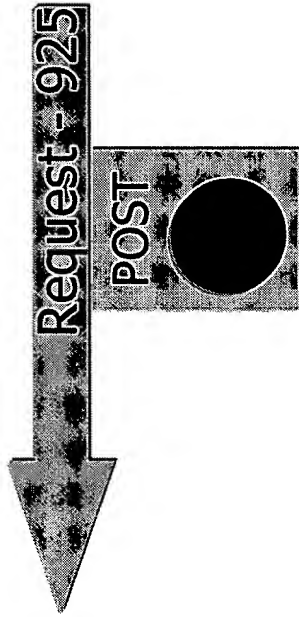
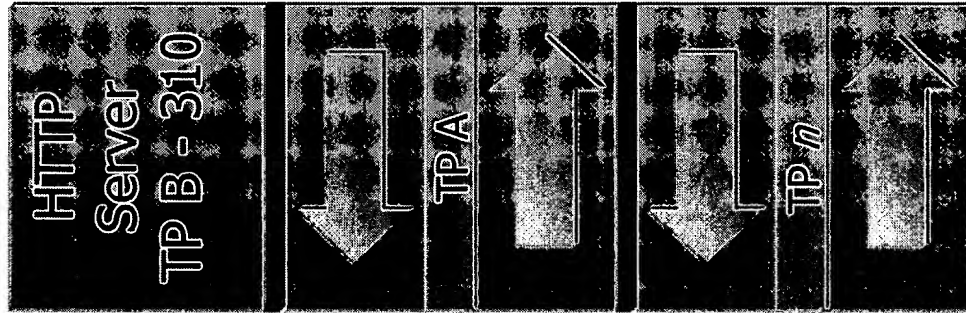
PIP is initiated (timers begin) when business message is delivered

The Server also tells the Client that the queue is empty

The Client sleeps until it needs to send something or it is time to poll again

Figure 8

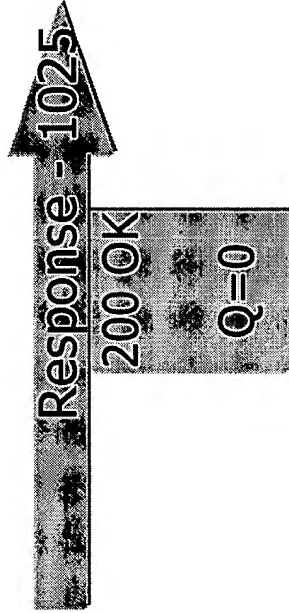
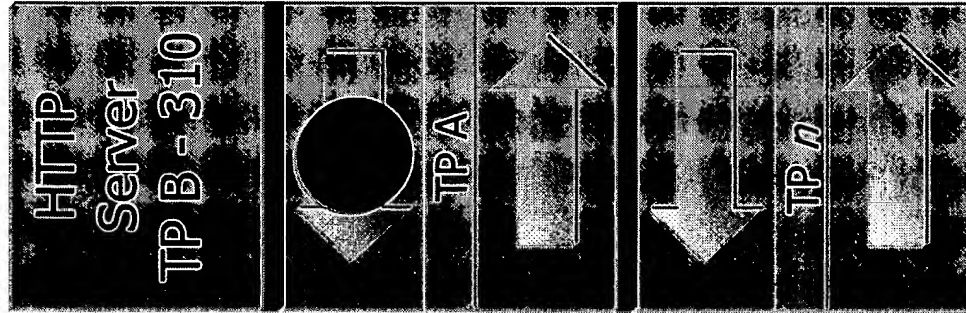
Figure 9: The Client sends the Receipt Acknowledgement to the Server



The Client sends the Receipt Acknowledgement to the Server

Figure 9

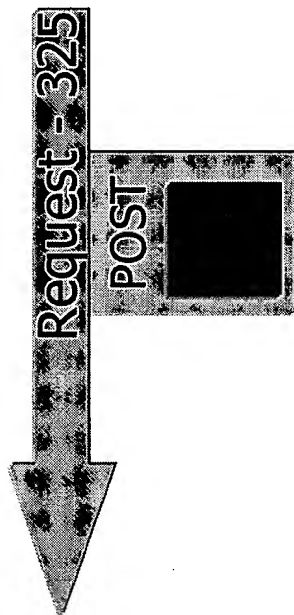
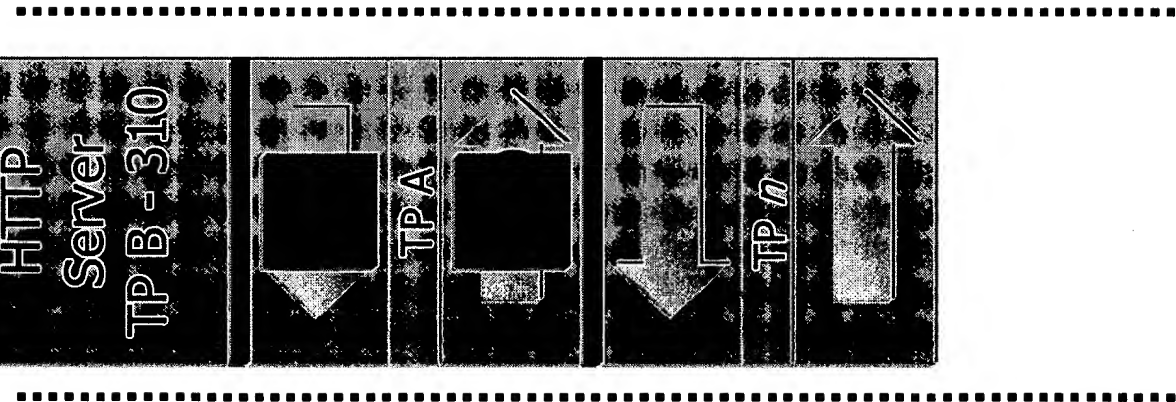
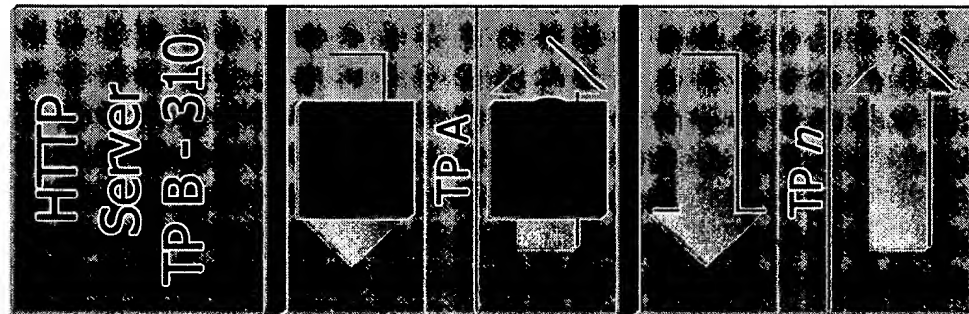
TP A - 320



The Server responds with an empty 200 OK (nothing is in the queue)

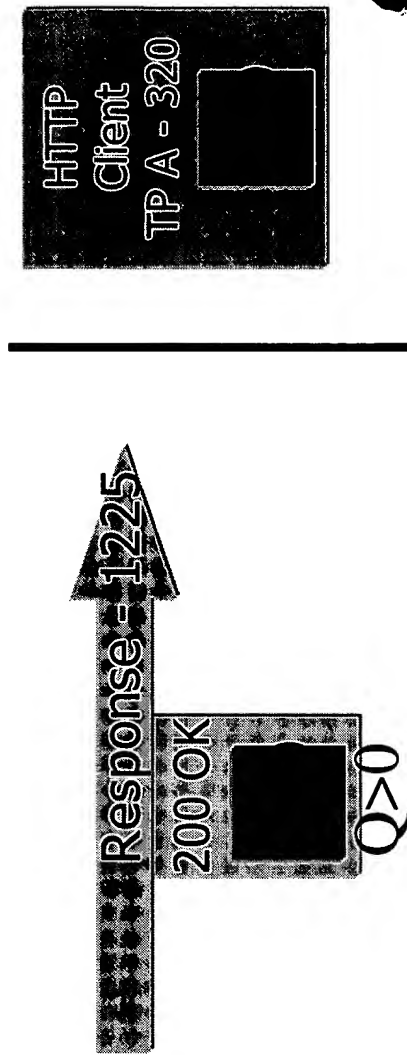
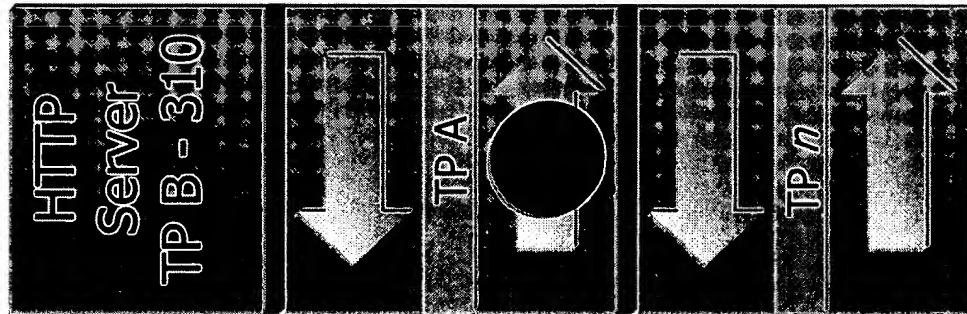
Figure 10

Figure 11: Client sends PIP Business Message Request as a POST to Server



Client sends PIP Business Message Request as a POST to Server

Figure 11



200 OK is sent from the Server in response to Client POST indicating that the file has been received successfully. Queued message is attached and sent back to Client

Server has asynchronously processed the data and has queued a Receipt Acknowledgement

Figure 12

[illegible]

FIG. 14a is a perspective view of a computer system 1400. The computer system 1400 includes a monitor 1404, a mouse 1406, a tower unit 1402, and a keyboard 1408. A floppy disk drive 1412 is shown separately, connected to the tower unit 1402. A printer 1410 is also connected to the tower unit 1402.

Figure 14a

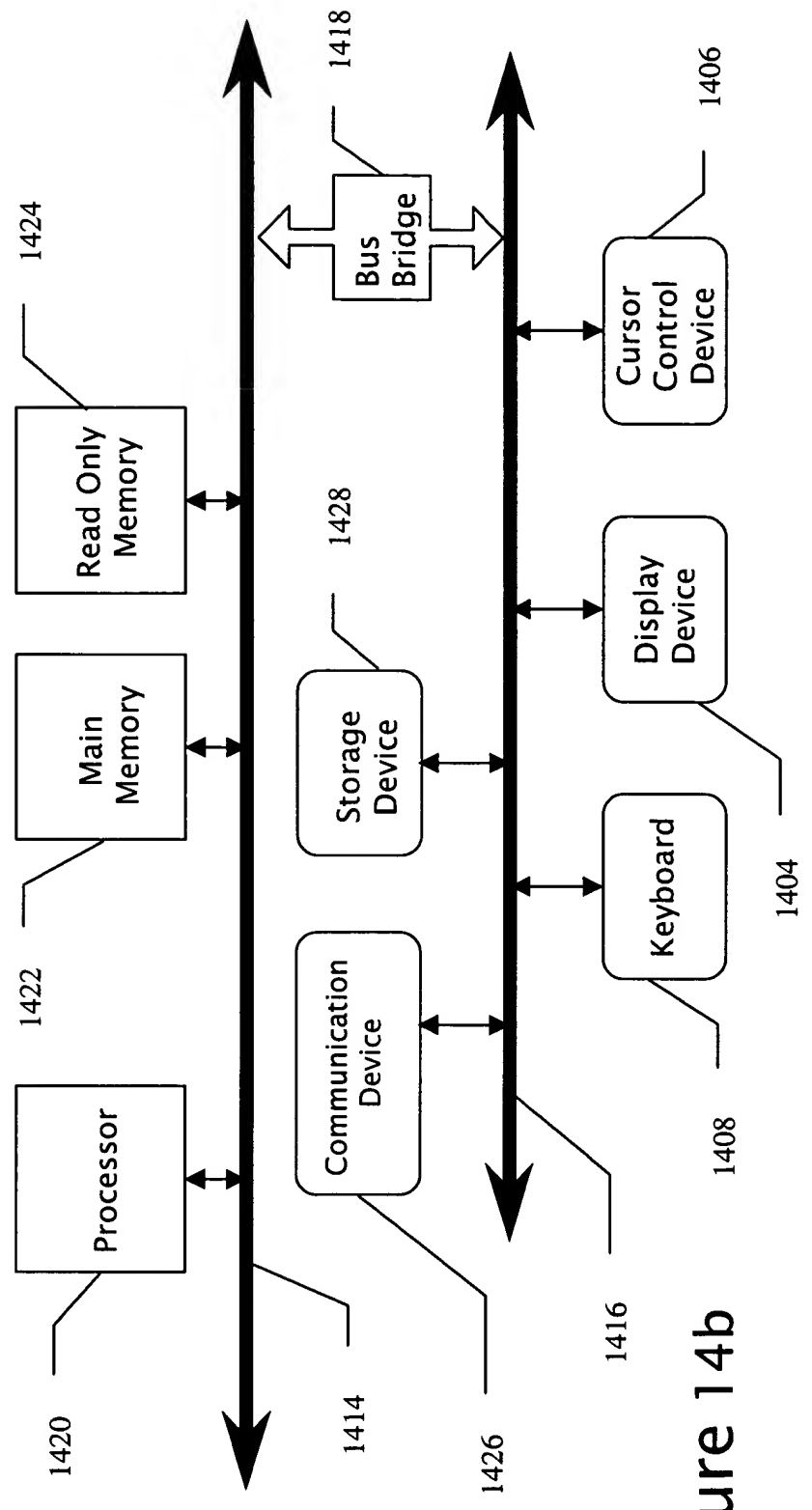
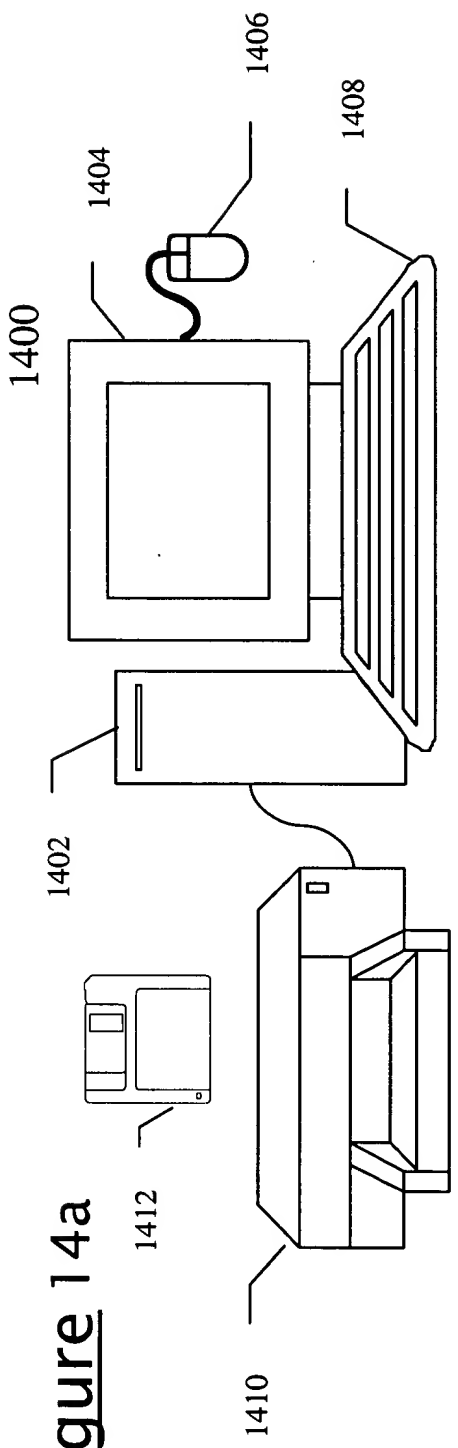


Figure 14b